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(54) PRODUCTION OF NONIONIC DETERGENT  
GRANULE

(57) Abstract:

PROBLEM TO BE SOLVED: To produce a granular nonionic detergent which has a high bulk density and is excellent in powder fluidity and in anti-caking property, and further shows suppressed blocking property, by compounding a nonionic activator and/or an aqueous solution of a nonionic activator, a water-soluble nonionic organic compound having a specific melting point and specific average molecular weight, an acid precursor of an anionic surfactant capable of taking a lamella orientation and alkali substances which are an alkaline builder and a porous oil-adsorptive carrier.

SOLUTION: A granular nonionic detergent having a bulk density of 0.6 to 1.2g/mL is produced by preparing a mixture comprising (A) an alkaline builder and/or an alkaline porous oil-adsorptive carrier, (B) a nonionic activator and/or an aqueous solution of a nonionic activator, (C) an acid precursor of an anionic surfactant

capable of taking a lamella orientation and (D) a water-soluble nonionic organic compound having a melting point of 45°C or higher and an average molecular weight of 1,000 or more, by a method in which component C is added to a mixer in a specific manner, and forming granules by means of an agitation type mixer.

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